

**Iowa Department of Natural Resources  
Environmental Protection Commission**

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**ITEM**

**14**

**DECISION**

**TOPIC**      **Notice of Intended Action: Chapter 61, Water Quality Standards (Chemical Criteria Revisions)**

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The attached Notice of Intended Action for changes to Chapter 61 “Water Quality Standards” is presented to the Environmental Protection Commission for approval. These changes are being proposed as part of the ongoing review of Iowa’s WQS.

The Notice of Intended Action initiates modifications to Iowa’s current Water Quality Standards (WQS) chemical criteria as listed in 61.3(3), Table 1. The modifications will revise the current numerical criteria for 23 chemical parameters to protect aquatic life for the following designations: Class B(WW-1), Class B(WW-2), and Class B(WW-3).

The 23 parameters include: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, zinc, cyanide, pentachlorophenol, aldrin, chlordane, 4,4’-DDT, endosulfan, heptachlor, heptachlor epoxide, toxaphene, aluminum, chlorine, lindane, and dieldrin.

The modifications will also revise current numerical criteria to protect human health for 42 chemical parameters for Class HH – Human Health.

The 42 parameters to protect human health for the Class HH designation include: aldrin, antimony, arsenic (III), benzene, benzo(a)pyrene, bromoform, carbon tetrachloride, chlordane, chlorobenzene, chlorodibromomethane, cyanide, 4,4-DDT, para-dichlorobenzene, 3,3-dichlorobenzidine, dichlorobromomethane, 1,2-dichloroethane, 1,1-dichloroethylene, 1,2-trans-dichloroethylene, 1,2-dichloropropane, bis(2-ethylhexyl)phthalate, dieldrin, 2,3,7,8-TCDD(dioxin), endosulfan, endrin, ethylbenzene, heptachlor, heptachlor epoxide, hexachlorobenzene, gamma-BHC(lindane), hexachlorocyclopentadiene, lead, nickel, polynuclear aromatic hydrocarbons (PAHs), pentachlorophenol (PCP), polychlorinated biphenyls (PCBs), phenols, tetrachlorethylene, thallium, toluene, toxaphene, trichloroethylene (TCE), vinyl chloride, and zinc.

These proposed amendments will revise the current chemical criteria for the parameters listed above to reflect the latest scientific information and Environmental Protection Agency (EPA) national guidance.

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